

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (previously amended): A belt cooling and guiding apparatus for a casting belt of a twin belt caster provided with a pair of rotatably supported endless casting belts, a casting mold formed between moving casting surfaces of confronting generally planar sections of the belts, said sections having reverse surfaces opposite said casting surfaces, the casting mold having a molten metal entrance at one end and a solidified sheet article outlet at an opposite end, and a casting injector for introduction of molten metal into the casting mold at the entrance of the casting mold; the cooling and guiding apparatus comprising at least one elongated nozzle having a support surface facing a reverse surface of said casting belt, said support surface being bounded by longitudinal outer edges and having a continuous longitudinal slot arranged transversely substantially completely across said casting belt adapted to deliver a cooling liquid to the reverse surface of said belt in the form of a continuous film having a substantially uniform thickness and velocity of flow when considered in the transverse direction of the belt, a drainage opening adapted to remove cooling liquid at a position spaced from said continuous slot, and a vacuum system associated with said drainage opening adapted to apply suction to said drainage opening, wherein said support surface has a bevel adjacent to each of said outer edges, each bevel sloping rearwardly of the nozzle in a direction from said slot towards an adjacent outer edge of the nozzle.

Claim 2 (previously amended): The apparatus of claim 1, wherein a first of said at least one nozzles taken in the direction of advancement of the belt through the casting apparatus is positioned immediately adjacent to the entrance of the casting mold.

Claim 3 (previously amended): The apparatus of claim 1, wherein said drainage opening is an elongated gap in the support surface arranged transversely substantially completely across said casting belt.

Claim 4 (original): The apparatus of claim 1, wherein the slot is of constant width along its entire length.

Claim 5 (original): The apparatus of claim 1, wherein said slot has a width dimension in said direction of advancement of more than about 0.125 mm.

Claim 6 (original): The apparatus of claim 1, wherein the slot has a width dimension in said direction of advancement in the range of 0.125 to 0.15 mm.

Claim 7 (previously amended): The apparatus of claim 1, including a filter for filtering particles from the cooling liquid before said liquid passes through said slot.

Claim 8 (original): The apparatus of claim 1, wherein the nozzle includes an elongated chamber communicating with said slot along substantially an entire length of said slot, and at least one passage for supplying said cooling liquid to said chamber.

Claim 9 (original): The apparatus of claim 1, including at least one additional elongated nozzle provided with a support surface having an elongated continuous slot arranged transversely substantially completely across said casting belt for delivery of further cooling liquid to said reverse surface.

Claim 10 (original): The apparatus of claim 9, having from one to three such additional nozzles arranged in succession in the direction of advancement of said belt through the casing apparatus.

Claim 11 (original): The apparatus of claim 1, wherein said nozzle is positioned at said reverse surface immediately adjacent to said molten metal entrance of the casting mold.

Claim 12 (original): The apparatus of claim 1, wherein said support surface includes a continuous elongated groove arranged transversely substantially completely across said one of said casting belts, said groove having a width greater than said slot, and said slot having an outer

end terminating in said groove.

Claim 13 (original): The apparatus of claim 1, wherein said support surface is planar.

Claim 14 (canceled)

Claim 15 (previously amended): The apparatus of claim 1, wherein said bevel extends inwardly from said outer edges towards said slot by a distance of from 2.5 mm to 3.5 mm.

Claim 16 (original): The apparatus of claim 1, wherein said nozzle is rigidly mounted adjacent to said reverse surface.

Claims 17-34 (canceled)

Claim 35 (currently amended): A nozzle for a belt cooling and guiding apparatus, said nozzle comprising ~~a longitudinal~~ an elongated support surface adapted to support a reverse surface of a casting belt of predetermined width, the support surface having a predetermined length ~~corresponding to the width of said belt~~ and being bounded by longitudinal outer edges, an elongated longitudinal continuous slot in said support surface having a length substantially the same as ~~the~~ said predetermined length of the support surface for delivery of cooling liquid in the form of a continuous film having uniform thickness and velocity of flow along the slot, and a drainage opening for removal of cooling liquid spaced from said continuous slot, wherein said support surface has a bevel adjacent to each of said outer edges, each bevel sloping rearwardly of the nozzle in a direction from said slot towards an adjacent outer edge of the nozzle.

Claim 36 (previously amended): The nozzle of claim 35, wherein said drainage opening is an elongated gap in the support surface having a length substantially the same as the length of the support surface.

Claim 37 (original): The nozzle of claim 35, wherein the slot is of constant width along its entire length.

Claim 38 (original): The nozzle of claim 35, wherein said slot has a width dimension more than about 0.125 mm.

Claim 39 (original): The nozzle of claim 35, wherein the slot has a width dimension in the range of 0.125 to 0.15 mm.

Claim 40 (original): The nozzle of claim 35, including an elongated chamber communicating with said slot along substantially an entire length of said slot, and at least one passage for supplying said cooling liquid to said chamber.

Claim 41 (original): The nozzle of claim 35, including at least one additional support surface having an elongated continuous slot for delivery of further cooling liquid to said reverse surface.

Claim 42 (previously amended): The nozzle of claim 35, wherein said support surface includes a continuous elongated groove having a length substantially the same as the length of said support surface, said groove having a width greater than said slot, and said slot having an outer end terminating in said groove.

Claim 43 (original): The nozzle of claim 35, wherein said support surface is planar.

Claim 44 (canceled)

Claim 45 (previously amended): The nozzle of claim 35, wherein said bevel extends inwardly from said outer edges towards said slot by a distance of from 2.5 mm to 3.5 mm.

Claim 46 (canceled)